

From: "Semborski, Chuck" <chuck.semborski@pacificorp.com>
To: "Pam Grubaugh-Littig" <pamgrubaughlittig@utah.gov>
Date: 1/30/04 9:27AM
Subject: Energy West Mining - Mill Fork Hydrologic Monitoring

Energy West - Mill Fork Spring Monitoring Program

During the last inspection (Des-Bee-Dove) Jim and I discussed hydrologic field monitoring associated with the Mill Fork Lease.

Background: Energy West initiated ground water monitoring of the Mill Fork Lease in 2000. Baseline samples were collected during the period from 2000 through 2002. Based on the approval of Volume 12 - Mill Fork Lease, monitoring of the Mill Fork Springs were incorporated into the East Mountain Monitoring Program in 2003.

Required Monitoring: A series of springs are monitored during high (July) and low (October) flow conditions. At each site, Energy West measures the flow, records the temperature and collects a sample (digital pictures and GPS locations were recorded during baseline monitoring). As stated in the approved plan, in addition to the flow and temperature, field pH and conductivity are to be recorded. During 2003, Energy West monitored the Mill Fork Springs according to the approved plan, except that pH and conductivity were performed at SGS lab in Huntington (formally CT&E) within a twenty-four period of collection. As I discussed with Jim, topography of the Mill Fork lease, lack of access requires extensive hiking in order to collect the ground monitoring samples. Typically, Energy West monitors the Mill Fork Springs with multiple individuals over a two/three day period. This would require multiple field monitoring setups to complete the task. Jim was concerned that Energy West was not complying the approved plan. As we discussed, Energy West has shown over the past twenty years of monitoring, ground water quality remains relatively constant from high to low flow and from year to year (this includes field parameters versus lab measurements). Both Jim and I agree that accurate measurement of quantity (flow) is by far the most important aspect the ground water monitoring.

Resolution: To alleviate Jim's concern, Energy West has acquired a second field monitoring instrument to record field pH and conductivity instead of relying on lab measurements.

Energy West prides it self with its hydrologic program and our effort to cooperate with regulatory agencies and the water users of Emery County. Hopefully this resolves this issue.

If you any questions please call.

Chuck

This email is confidential and may be legally privileged.

It is intended solely for the addressee. Access to this email by anyone else, unless expressly approved by the sender or an authorized addressee, is unauthorized.

If you are not the intended recipient, any disclosure, copying, distribution or any action omitted or taken in reliance on it, is prohibited and may be unlawful. If you believe that you have received this email in error, please contact the sender, delete this e-mail and destroy all copies.

=====

CC: "Jim Smith" <JIMDSMITH@utah.gov>